



#3

<210> 87
<211> 5
<212> PRT
<213> Homo sapiens

<220>
<221> MOD_RES
<222> (3)..(3)
<223> PHOSPHORYLATION: threonine at position 3 is phosphorylated

<400> 87

Ala Tyr Thr His Gln
1 5

<210> 88
<211> 15
<212> PRT
<213> Homo sapiens

<220>
<221> MOD_RES
<222> (10)..(10)
<223> PHOSPHORYLATION: threonine at position 10 is phosphorylated

<220>
<221> MISC_FEATURE
<222> (2)..(15)
<223> At positions 2-4, 6, 9, and 13-15, X = any amino acid except C and W; At position 8, X = any amino acid except C and W and is biased 50% to T.

<220>
<221> MISC_FEATURE
<222> (11)..(12)
<223> At position 11, X = any amino acid except C and W and is biased 50% to F; At position 12, X = any amino acid except C and W and is biased 50% to G.

<400> 88

Cys Xaa Xaa Xaa Arg Xaa Arg Xaa Xaa Thr Xaa Xaa Xaa Xaa
1 5 10 15

<210> 89
<211> 13
<212> PRT
<213> Homo sapiens

<220>
<221> MOD_RES
<222> (7)..(7)
<223> PHOSPHORYLATION: serine at position 7 is phosphorylated

<400> 94

Cys Xaa Xaa Xaa Arg Ser Xaa Ser Xaa Pro Xaa Xaa Xaa
1 5 10

<210> 95

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<221> MOD_RES

<222> (6)..(6)

<223> PHOSPHORYLATION: threonine at position 6 is phosphorylated

<220>

<221> MISC_FEATURE

<222> (2)..(8)

<223> At positions 2 and 4-5, X = any amino acid

<400> 95

Phe Xaa Arg Xaa Xaa Thr Phe Phe
1 5

<210> 96

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> MOD_RES

<222> (10)..(10)

<223> PHOSPHORYLATION: threonine at position 10 is phosphorylated

<220>

<221> MISC_FEATURE

<222> (2)..(6)

<223> At positions 2 and 16-17, X = any amino acid except C and W; At positions 3-4, X = any amino acid except C and W and is biased 50% to R; At position 6, X = any amino acid except C and W and is biased 50% to K.

<220>

<221> MISC_FEATURE

<222> (8)..(8)

<223> At position 8, X = any amino acid except C and W and is biased 50% to Q.

<220>

<221> MISC_FEATURE

<222> (9)..(17)

<223> At position 9, X = any amino acid except C and W and is biased 50% to G; At position 13, X = any amino acid except C and W and is biased 50% to Y; At positions 14-15, X = any amino acid except

C and W and is biased 50% to F

<400> 96

Cys Xaa Xaa Xaa Phe Xaa Arg Xaa Xaa Thr Phe Phe Xaa Xaa Xaa Xaa
1 5 10 15

Xaa

<210> 97

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<221> MOD_RES

<222> (3)..(3)

<223> PHOSPHORYLATION; tyrosine at position 3 is phosphorylated

<220>

<221> MISC_FEATURE

<222> (5)..(5)

<223> At position 5, X = any amino acid

<400> 97

Val Ile Tyr Ala Xaa Pro
1 5

<210> 98

<211> 15

<212> PRT

<213> Homo sapiens

<220>

<221> MOD_RES

<222> (8)..(8)

<223> PHOSPHORYLATION; tyrosine at position 8 is phosphorylated

<220>

<221> MISC_FEATURE

<222> (2)..(15)

<223> At positions 2-3, 5, and 13-15, X = any amino acid except C and W
; At positions 4 and 10, X = any amino acid except C and W and
is biased 50% to A; At position 12, X = any amino acid except C a
nd W and is biased 50% to F

<400> 98

Cys Xaa Xaa Xaa Xaa Val Ile Tyr Ala Xaa Pro Xaa Xaa Xaa Xaa
1 5 10 15

<210> 99

<211> 9
<212> PRT
<213> Homo sapiens

<220>
<221> MOD_RES
<222> (5)..(5)
<223> PHOSPHORYLATION; threonine at position 5 is phosphorylated

<220>
<221> MISC_FEATURE
<222> (2)..(7)
<223> At positions 2-4 and 7, X = any amino acid

<400> 99

Lys Xaa Xaa Xaa Thr Pro Xaa His Arg
1 5

<210> 100
<211> 14
<212> PRT
<213> Homo sapiens

<220>
<221> MOD_RES
<222> (8)..(8)
<223> PHOSPHORYLATION; threonine at position 8 is phosphorylated

<220>
<221> MISC_FEATURE
<222> (2)..(14)
<223> At positions 2-3 and 13-14, X = any amino acid except C and W; At positions 5-6, X = any amino acid except C and W and is biased 50% to H; At positions 7 and 10, X = any amino acid except C and W and is biased 50% to K

<400> 100

Cys Xaa Xaa Lys Xaa Xaa Xaa Thr Pro Xaa His Arg Xaa Xaa
1 5 10

<210> 101
<211> 14
<212> PRT
<213> Homo sapiens

<220>
<221> MOD_RES
<222> (8)..(8)
<223> PHOSPHORYLATION; tyrosine at position 8 is phosphorylated

<220>
<221> MISC_FEATURE
<222> (2)..(14)
<223> At positions 2-4 and 13-14, X = any amino acid except C and W; A

t positions 5-7. X = any amino acid except C and W and is biased 50% to E and D; At position 10, X = any amino acid except C and W and is biased 50% to M.

<220>
 <221> MISC FEATURE
 <222> (12)..(12)
 <223> At position 12, X = any amino acid except C and W and is biased 50% to F.

<400> 101

Cys Xaa Xaa Xaa Xaa Xaa Xaa Tyr Met Xaa Met Xaa Xaa Xaa
 1 5 10

<210> 102
 <211> 4
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MOD_RES
 <222> (1)..(2)
 <223> PHOSPHORYLATION: tyrosine at position 1 is phosphorylated

<220>
 <221> MISC FEATURE
 <222> (3)..(3)
 <223> At position 3, X = any amino acid

<400> 102

Tyr Met Xaa Met
 1

<210> 103
 <211> 15
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MOD_RES
 <222> (9)..(9)
 <223> PHOSPHORYLATION: tyrosine at position 9 is phosphorylated

<220>
 <221> MISC FEATURE
 <222> (2)..(15)
 <223> At positions 2-7, 11, and 13-15, X = any amino acid except C and W; At position 8, X = any amino acid except C and W and is biased 50% to E

<400> 103

Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Tyr Met Xaa Met Xaa Xaa Xaa
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1 5 10 15

<210> 104
<211> 6
<212> PRT
<213> Homo sapiens

<220>
<221> MOD_RES
<222> (4)..(4)
<223> PHOSPHORYLATION; threonine at position 4 is phosphorylated

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> At position 3. X = any amino acid

<400> 104

Arg Gln Xaa Thr Phe Asp
1 5

<210> 105
<211> 15
<212> PRT
<213> Homo sapiens

<220>
<221> MOD_RES
<222> (8)..(8)
<223> PHOSPHORYLATION; threonine at position 8 is phosphorylated

<220>
<221> MISC_FEATURE
<222> (2)..(15)
<223> At positions 2-3 and 13-15. X = any amino acid except C and W; At position 4. X = any amino acid except C and W and is biased 50% to K; At position 7. X = any amino acid except C and W and is biased 50% to Q.

<220>
<221> MISC_FEATURE
<222> (11)..(11)
<223> At position 11. X = any amino acid except C and W and is biased 50% to L.

<220>
<221> MISC_FEATURE
<222> (12)..(12)
<223> At position 12. X = any amino acid except C and W and is biased 50% to F

<400> 105

Cys Xaa Xaa Xaa Arg Gln Xaa Thr Phe Asp Xaa Xaa Xaa Xaa Xaa

1 5 10 15

<210> 106
<211> 7
<212> PRT
<213> Homo sapiens

<220>
<221> MOD_RES
<222> (4)..(4)
<223> PHOSPHORYLATION; tyrosine at position 4 is phosphorylated

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> At position 2. X = any amino acid

<400> 106

Glu Xaa Ile Tyr Gly Glu Phe
1 5

<210> 107
<211> 16
<212> PRT
<213> Homo sapiens

<220>
<221> MOD_RES
<222> (9)..(9)
<223> PHOSPHORYLATION; tyrosine at position 9 is phosphorylated

<220>
<221> MISC_FEATURE
<222> (2)..(16)
<223> At positions 2-4 and 13-16. X = any amino acid except C and W; At positions 5 and 7, X = any amino acid except C and W and is biased 50% to E

<400> 107

Cys Xaa Xaa Xaa Xaa Glu Xaa Ile Tyr Gly Glu Phe Xaa Xaa Xaa Xaa
1 5 10 15

<210> 108
<211> 4
<212> PRT
<213> Homo sapiens

<220>
<221> MOD_RES
<222> (1)..(1)
<223> PHOSPHORYLATION; serine at position 1 is phosphorylated

<220>

<221> MISC FEATURE
<222> (4)..(4)
<223> At position 4, X = K or R

<400> 108

Ser Pro Arg Xaa
1

<210> 109
<211> 16
<212> PRT
<213> Homo sapiens

<220>
<221> MOD_RES
<222> (9)..(9)
<223> PHOSPHORYLATION; serine at position 9 is phosphorylated

<220>
<221> MISC FEATURE
<222> (2)..(16)
<223> At positions 2-4 and 14-16, X = any amino acid except C and W; At positions 5-7, X = any amino acid except C and W and is biased 50% to H; At position 8, X = any amino acid except C and W and is biased 50% to K and R.

<220>
<221> MISC FEATURE
<222> (13)..(13)
<223> At position 13, X = any amino acid except C and W and is biased 50% to R.

<400> 109

Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Pro Arg Xaa Xaa Xaa Xaa Xaa
1 5 10 15

<210> 110
<211> 6
<212> PRT
<213> Homo sapiens

<220>
<221> MOD_RES
<222> (1)..(1)
<223> PHOSPHORYLATION; threonine at position 1 is phosphorylated

<220>
<221> MOD_RES
<222> (5)..(5)
<223> PHOSPHORYLATION; serine at position 5 is phosphorylated

<220>
<221> MISC_FEATURE

<222> (3)..(4)
<223> At positions 3-4, X = any amino acid

<400> 110

Thr Pro Xaa Xaa Ser Pro
1 5

<210> 111
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> MOD_RES
<222> (8)..(8)
<223> PHOSPHORYLATION; threonine at position 8 is phosphorylated

<220>
<221> MOD_RES
<222> (12)..(12)
<223> PHOSPHORYLATION; serine at position 12 is phosphorylated

<220>
<221> MISC_FEATURE
<222> (2)..(18)
<223> At positions 2, 4, and 14-18, X = any amino acid except C and W;
At position 3, X = any amino acid except C and W and is biased
50% to P and F; At positions 5-6 and 11, X = any amino acid except
C and W and is biased 50% to P and L.

<220>
<221> MISC_FEATURE
<222> (7)..(10)
<223> At positions 7 and 10, X = any amino acid except C and W and is
biased 50% to P.

<400> 111

Cys Xaa Xaa Xaa Xaa Xaa Xaa Thr Pro Xaa Xaa Ser Pro Xaa Xaa Xaa
1 5 10 15

Xaa Xaa

<210> 112
<211> 15
<212> PRT
<213> Homo sapiens

<220>
<221> MOD_RES
<222> (8)..(8)
<223> PHOSPHORYLATION; serine at position 8 is phosphorylated